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Sequence Listing was accepted.

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Reviewer: Anne Corrigan

Timestamp: [year=2009; month=12; day=1; hr=11; min=4; sec=25; ms=547;]
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Application No: 10594597   Version No: 2.0

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Finished: 2009-11-16 17:05:04.474
Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 612 ms
Total Warnings: 0
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No. of SeqIDs Defined: 100
Actual SeqID Count: 100

<110>   IKEDA, Kazutaka et al.

<120>   METHOD OF EVALUATING DRUG SENSITIVITY BY ANALYZING THE MU-OPIOID
        RECEPTOR GENE

<130>   0649-1380PUS1

<140>   10594597
<141>   2009-11-16

<150>   PCT/JP05/06701
<151>   2005-03-30

<150>   JP2004-106136
<151>   2004-03-31

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<170>   PatentIn version 3.5

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<213>   Homo Sapiens

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<212>   DNA
<213>   Homo Sapiens

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aattaaccac tttttccgtg gatcactatt tttatttaaa g   101

<210>   3
<211>   101
<212>   DNA
<213>   Homo Sapiens

<400>   3
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cagatgacga ggtcaggaga tcgagaccat cctggctaac a   101

<210> 5
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<212> DNA
<213> Homo Sapiens

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cagagtgaga ctctgtttta aaataaataa ataaataaaa t   101

<210> 6
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<212> DNA
<213> Homo Sapiens

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ctgaagtgat agactgtgat aaagataacc taaataagaa a   101

<210> 7
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<212> DNA
<213> Homo Sapiens

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ggataaattc tttcatatgt gtgtaatcct ataaaccctc t   101

<210> 8
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taaaatatat gctaatcatt ttttcaactg aattcaaata ttatgcacat kaatattcat   60

atatgtttaa tatagaaaga aacacagaga gtgagggagg g   101

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<212> DNA

<213> Homo Sapiens

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aaaatatatg ctaatcattt tttcaactga attcaaatat tatgcacatt matattcata   60

tatgtttaat atagaaagaa acacagagag tgagggaggg a   101

<210> 10
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<213> Homo Sapiens

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ctaatcattt tttcaactga attcaaatat tatgcacatt aatattcata yatgtttaat   60

atagaaagaa acacagagag tgagggaggg agtccactat g   101

<210> 11
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 11
aaaaatctat agtgttgtac tgagctccct ccaaagcaac tataaattta yaggagatga   60

aacatatgat tcaccaggca taagaagaaa gtttccgtaa t   101

<210> 12
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 12
tccacatgaa ctaagcacaa aggaactgaa tgcaggcaga cagatttcag ytcaatataa   60

gagaattgtt acattagttc atggaagaat atgtttttaag g   101

<210> 13
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<212> DNA
<213> Homo Sapiens

<400> 13
tgtttctcat ttcttttttca gaaaataaag gatcgctgtt gttcccaaca kgtttgtagg   60

gaagaaaatt ggagaaacat tattaccttt tcttagatgt t   101

<210> 14
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<213> Homo Sapiens

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<210>  15
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<213>  Homo Sapiens

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ccccagcacc cagccccggt tcctgggtca acttgtccca cttagatggc racctgtccg        60

acccatgcgg tccgaaccgc accgacctgg gcgggagaga c                          101


<210>  16
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<213>  Homo Sapiens

<400>  16
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actctattgt gaacttatga aaaaggtagt tgagcaatat g                          101


<210>  17
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<213>  Homo Sapiens

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acacacacac acacacacac acacacatgc tggattctaa a                          101


<210>  18
<211>  102
<212>  DNA
<213>  Homo sapiens


<220>
<221>  misc_feature
<222>  (51)..(52)
<223>  "ac" at positions 51-52 repeats indefinitely

<400>  18
acttatgaaa aaggtagttg agcaatatga aggccatgat gtggaattaa acatgctgga        60

ttctaaaatg tgtccttcct cctctcactc tcttgatcag tt                         102


<210>  19
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<213>    Homo Sapiens

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tttgtaagta gtaatagttg gagaaatgtg tgaagaatag g                             101


<210>    20
<211>    101
<212>    DNA
<213>    Homo Sapiens

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ggtcaaaaga taaataagaa ttattttata accataagaa aggaagaaca kctataaaca          60

aaagtcatat atgcaacata aaagaatagg tgagctgcca g                             101


<210>    21
<211>    101
<212>    DNA
<213>    Homo Sapiens

<400>    21
ttctggaagt tccataaaaa tcactctaat gggtcaaaca tcgatggttc kcagaagaac          60

acaatttttt tcaaaaacga atagcattgt aaattcattt g                             101


<210>    22
<211>    101
<212>    DNA
<213>    Homo Sapiens

<400>    22
tacaacaaaa tacaggcaag gtgagtgatg ttaccagcct gagggaagga rggttcacag          60

cctgatatgt tggtgatgtc ataagcaaag cagtatttat g                             101


<210>    23
<211>    101
<212>    DNA
<213>    Homo Sapiens

<400>    23
tttatatcaa tatagacctc atggaggatc tagctcatgt tgagaggttc rtttttgttc          60

cctgaacgaa agcttaatgt gatcgaagtg gactgcaaaa t                             101


<210>    24
<211>    101
<212>    DNA
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<213> Homo Sapiens

<400> 24
ttccacaatt tctttatagc cttaagttag ctctggtcaa ggctaaaaat saatgagcaa   60

aatggcagta ttaacacctt atgacataat taaatgttgc t   101

<210> 25
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 25
ctctaattac tattattaaa gcactttctt gacattttaa tcaaaatagc rggtcaagaa   60

gttaggagat gctctgtatt tggtttaact gtgaactata t   101

<210> 26
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 26
acatcactct caaaagttga tctcagtttt ttttacaaga catctgtgga ragttaattt   60

gggaaagtaa ttgtttcaat tcaatgggaa aaaaaactca a   101

<210> 27
<211> 130
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (51)..(80)
<223> n represents 11 to 15 repeats of "gt"

<400> 27
atcaaaatgg ctattctttc agttctacag tttaaaaaga aaatggttcc nnnnnnnnnn   60

nnnnnnnnnn nnnnnnnnnn gcgtgtgata taggcatgtc tctttttgca tgtatggaat   120

tagagtaaat   130

<210> 28
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 28
aaagaaaatg gttccgtgtg tgtgtgtgtg tgtgtgtgcg tgtgatatag rcatgtctct   60

ttttgcatgt atggaattag agtaaatgta ggtttaaaat t   101

<210> 29
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 29
tgatatatat cataacatat tatatattat attatgatat atatcataac rtgtattatc   60

atattatgat atatcata acatatatat tatcatatta c   101

<210> 30
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 30
acatgtatta tcatattatg atatatatca taacatatat attatcatat yacgatatat   60

atcataacat attatatatt atcatattat gatatatatc a   101

<210> 31
<211> 644
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (51)..(594)
<223> n at positions 51 to 594 represents 2 to 17 repeats of
       "attatcatattatgacatatatcataatatat"

<400> 31
tatgacatat cataatatat attatcatat tatgacatat cgtaatatat nnnnnnnnnn   60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   420

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   480

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   540

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnatcaaa   600

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aagtcacaga gctcatgcaa gcccagtcat ccccattgcc agtg                    644


<210>  32
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<212>  DNA
<213>  Homo Sapiens

<400>  32
aatatatatt atcatattat gacatatatc ataatatata ttatcatatt rtgacatata      60

tcataatata tatcaaaaag tcacagagct catgcaagcc c                        101


<210>  33
<211>  101
<212>  DNA
<213>  Homo Sapiens

<400>  33
taaaatgtac tctttatttc tcactggttt ctccatactg caggctcccc rcatattatt      60

ttcttttttt aactcagctc agaatcctta tgccttttga a                        101


<210>  34
<211>  101
<212>  DNA
<213>  Homo Sapiens

<400>  34
atctaggtag acagccaagt cagatggccc atgcctagaa gctctccatt ytgaactttt      60

gtcagcattg attaaaagaa tcaaatacct tgtagttatc t                        101


<210>  35
<211>  101
<212>  DNA
<213>  Homo Sapiens

<400>  35
cagccaagtc agatggccca tgcctagaag ctctccattt tgaacttttg ycagcattga      60

ttaaaagaat caaatacctt gtagttatct atgatgatac a                        101


<210>  36
<211>  101
<212>  DNA
<213>  Homo Sapiens

<400>  36
ttatgtggac tcaacccacg tatccagtag atgggaaaaa acaaaagcca raataagttt      60

tttagtgttt ccttctgatg aagtttcatg tttgcttgta a                        101
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<210> 37
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 37
aacaaaagcc aaaataagtt ttttagtgtt tccttctgat gaagtttcat rtttgcttgt   60

aataatctcc atttctcaaa tattatgttc cataatagac a   101

<210> 38
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 38
atgcttttca tgggctagga tggtttctcc caagagatga catagtattg yttttgctca   60

tcaggctgtt tctcagcaat cattgtttct gcttaatacc a   101

<210> 39
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 39
gctcctagta cgaattatct ggcatgttga gagcaacttt gtcttcaagt rggacctgat   60

ctatcttttt ccacaaatgt catgtgtgtg aacaagtttc t   101

<210> 40
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 40
attctaaagt aaataataaa taaggtcatt gtcaacgttt ttcattcaaa rccatttttt   60

aacgtaaatt tgctagaacc accttccaat tccaaggcaa g   101

<210> 41
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 41
taataaataa ggtcattgtc aacgttttttc attcaaaacc attttttaac rtaaatttgc   60

tagaaccacc ttccaattcc aaggcaagga gagacattac a   101

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<210>    42
<211>    101
<212>    DNA
<213>    Homo Sapiens

<400>    42
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gcttttttct tccttctaat ttcacccttg cctaaggatg a                             101


<210>    43
<211>    101
<212>    DNA
<213>    Homo Sapiens

<400>    43
tttttcttcc ttctaatttc acccttgcct aaggatgaga tttcttccca sgttggtatc          60

ccagaaatgc agactgtagc tatggggcgg aagctttgtt t                             101


<210>    44
<211>    101
<212>    DNA
<213>    Homo Sapiens

<400>    44
ttgcctaagg atgagatttc ttcccaggtt ggtatcccag aaatgcagac ygtagctatg          60

gggcggaagc tttgtttctt tacctgatca cttgctgtgg a                             101


<210>    45
<211>    101
<212>    DNA
<213>    Homo Sapiens

<400>    45
atttcttccc aggttggtat cccagaaatg cagactgtag ctatggggcg raagctttgt          60

ttctttacct gatcacttgc tgtggaaatt ctagcttatt g                             101


<210>    46
<211>    101
<212>    DNA
<213>    Homo Sapiens

<400>    46
tccctctttc cttgccaatc attagaaagg aaagaagagg aaagagactc kctggagcac          60

tggtgagtct ctaggaccct gctatcctat cccaacaggg c                             101


<210>    47
<211>    101
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<212> DNA
<213> Homo Sapiens

<400> 47
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ctaatgtggc catttgaaac acttctcaac attgaaatag a   101

<210> 48
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 48
gaagttttaa ataacctct tctaagacac ggctatgagt aggtaagaga kcattcattc   60

ccttcaataa tatgactgtg ttgataaaac tgataaccat t   101

<210> 49
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 49
aactgataac cattcacttg caaatgttat tattgaataa gtctcactta kctcatttaa   60

tattacccaa aagatgctaa caaattctgt ttcccacatt g   101

<210> 50
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 50
gccaaagcaa cctaagaata ggacatggta gcttaagttt ttcagcttct yaactggcca   60

cacacacaca agttgtgttt gtacaattct tgaggtcaat c   101

<210> 51
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 51
caaacaatat tactgtgttc taagcgcttc tgttactcga aaggggtctg rtccagaccc   60

caaaagaggg ttcttggacc tcatgcaaga aagaattcag g   101

<210> 52
<211> 101
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (51)..(51)
<223> "a" repeats indefinitely

<400> 52
ggtttgtttt aagtaagcca ctttcctccc tgcaagttcc cacggagcag aggaggaaac   60

tttttcctgg gagcccacta atcacacagt gaacaaaagg c   101

<210> 53
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 53
taagaaagca aaggaataaa gaatggctac tccataggca gcgtagcccc magggctgct   60

ggttggctat ttttgtggtt atttcttgat tatatgctaa a   101

<210> 54
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 54
gtcgctctgg ttcaaacacc tctgacactt gaattacaaa tataaggacc rttgacactg   60

agattttaag ggaggaaaaa cagattgaca gtggactaaa g   101

<210> 55
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 55
gcaaggtaag aatcaagtag aaatgataaa gggcaaggaa aaaagatgaa mgcttactca   60

tattaaccat tctaccattg gaattatttg ccaacacacc t   101

<210> 56
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 56
gacagtgggg aaaattcatc ttcatattgt cacatgcact gtaataggaa kgtttagcaa   60

aaaaaacctt ccagagaaag gtggtttcca atattaccta c   101

<210> 57
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 57
gcaaaaaaaa ccttccagag aaaggtggtt tccaatatta cctacaactt sctttgcaat   60

ttgatttttg aaaggaccta aaagttgaaa acaggctatc a   101

<210> 58
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (51)..(372)
<223> n at positions 51-372 represents a sequence having 322bp (SEQ ID
      NO: 99) or deletion

<400> 58
taaatgtttt atttaagttt gcattgccca ctaaggctag acattttttt nnnnnnnnnn   60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   360

nnnnnnnnnn nngataaatt cacagggtta caaaatacca aacggaaatg agataagtgg   420

ta   422

<210> 59
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 59
ggcccggcta gacatttttt gataaattca cagggttaca aaataccaaa yggaaatgag   60

ataagtggta taaccacag aagatatagg agaagagaaa a   101

<210> 60
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<212> DNA
<213> Homo Sapiens

<220>
<221> misc_feature
<222> (51)..(51)
<223> n represents "a" or deletion

<400> 60
tgagataagt ggtataaacc acagaagata taggagaaga gaaaaaaaaa ngaggaaata   60

aagaagacaa ctctttttcct aagagtctgg gtaaaattga a   101

<210> 61
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 61
ggaaataaag aagacaactc ttttcctaag agtctgggta aaattgaaca yagccatatt   60

cactgaacaa catgagtgag cttcattaat ttaagcacag c   101

<210> 62
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 62
ccatattcac tgaacaacat gagtgagctt cattaattta agcacagcaa ractgcttta   60

attaacaaga ccagagagaa gggagaggag actacatttg t   101

<210> 63
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 63
gtgacatatt agacttctta ctttccccaa ataaaaaagt gcctgctggg ygcggtggct   60

cacgcctgta attccagcac tttgggaggc cgaggcgggc g   101

<210> 64
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 64
gcgcggtggc tcacgcctgt aattccagca ctttgggagg ccgaggcggg yggaacacaa   60

ggtcaggaga tcaagaccat cctggccaat atggtaaaac c   101

<210> 65

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<211>   101
<212>   DNA
<213>   Homo Sapiens

<400>   65
atacaaaatt aggaaggcgt ggtggtgcac gcctgtaatc ccagctagtc rggaggctga        60

ggcaggagaa ttgcttgaac tggggaggcg gaagttgcag t                           101


<210>   66
<211>   101
<212>   DNA
<213>   Homo sapiens


<220>
<221>   misc_feature
<222>   (51)..(51)
<223>   "a" repeats indefinitely

<400>   66
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gccatgctat gtgcccaaag tttccttcac acaacacagc c                           101


<210>   67
<211>   101
<212>   DNA
<213>   Homo Sapiens

<400>   67
ttagagccag tcagaattca atctccaata tcctgactag cacaagaaat ycataggttg        60

attcttgttc tcctgcatct ctgcaggtgg caaacctgat t                           101


<210>   68
<211>   101
<212>   DNA
<213>   Homo Sapiens

<400>   68
ttgtgtgttt tcttaataaa ctttacccac ttattaaaag aataaaatga rggtggagtt        60

aattctgact acgggattcc tttttcactt ttataatgaa c
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